EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L34	24	("4953072" | "5123089" | "5175822" | "5287103" | "5388213" | "5475819" | "5490258" | "5526489" | "5632016" | "5666362" | "5764930" | "5790554" | "5799002" | "5802055" | "5815678" | "5835720" | "5872847" | "5915119" | "5935267" | "5978854" | "6101543" | "6131119" | "6298409" | "6396845").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 12:18
L33	101	Bridge same (IEEE adj "1394") same bus and L31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:09
L32	0	LAN same (remote adj bus) same (local adj bus) and L31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:08
L16	7	LAN same (remote adj bus) same (local adj bus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:06
L31	49011	"709"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:05
L15	17	bus same wire same cable and bridge same routing same table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:05
L30	2	"5274631".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 11:20
L28	2	"5889777".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 11:20
L29	1	"5450411".PN.	USPAT; USOCR	OR	ON	2006/10/27 11:11
L27	73	bridge same BUS same port same (identification ID number type) same (forward$5 routing) same (table data database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 10:49
L26	1876	bridge same BUS same port same (identification ID number type)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 10:40

EAST Search History

L25	1	brouter and routing adj table and "7123610".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 10:39
L24	1	brouter and routing adj table and "7123610"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 10:26
L23	12	brouter same routing adj table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 10:25
L20	2	"5309437".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 10:20
L19	2	"6309437".pn..	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 10:10
L18	70	(brouter bridge) with (conventional) same LAN same BUS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 10:09
L17	18	bridge same (remote adj bus) same (local adj bus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 10:02
L9	18	bridge same (remote adj bus) same (local adj bus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 09:12
L14	1	bus same wire same cable same bridge same routing same table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:50
L13	8549	bus same wire same cable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:49
S47	2	"6078963".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:46

EAST Search History

L12	9	(bus) adj bridge with routing with table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:36
L11	10307	(bus) adj bridge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:35
L10	1	(remote adj bus) adj bridge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:33
L8	12	high adj performance adj7 bridge same draft same "1995"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:22
L2	342	high adj performance adj7 bridge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:14
L7	2	"5742760".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:04
L6	2	"5802278".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:04
L5	2	high adj performance adj7 bridge same (rout$5 adj (table data))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 08:03
L4	15	(high adj performance adj7 bridge) same (bus) same (port portal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 07:56
L3	4	(high adj performance adj7 bridge) and (bus adj3 (number ID)) same ((port portal) adj3 (number ID))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 07:56
L1	11	leeep1394	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 07:45

EAST Search History

S78	100	(bridge) and ((portal port) near3 (number)) same ((bus) near3 (number)) and (routing forward$5) near4 (table database data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 07:33
S79	2	"5883621".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 17:08
S77	6	(bridge) and ((portal port) near3 (number)) same ((bus) near3 (number)) same (routing forward$5) near4 (table database data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 17:01
S74	11	(bridge) same ((portal port) near3 (ID address)) same ((bus) near3 (ID address)) same (routing forward$5) near4 (table database data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 16:58
S76	79	ubiquitous near2 bus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 16:50
S75	0	ubiqutous near2 bus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 16:50
S73	132	(bridge brouter) near4 (portal port) near5 (routing forward$5) near4 (table database data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 16:39
S72	1	intelligent near3 (bridge brouter) near4 (portal port)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 16:28
S71	25	intelligent near3 router near4 (portal port)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 16:27
S65	57	(intelligent smart) near4 (port)and (IEEE adj "1394")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 16:00
S70	150	(port) near5 (rout$5) near4 (table database data) same bridge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 14:11

EAST Search History

S69	2	(socket) near5 (rout$5) near4 (table database data) same bridge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 14:11
S68	0	(socket) near5 (rout$5) near4 (table database data) and (IEEE adj "1394")same bridge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 14:11
S67	49	(port) near5 (rout$5) and (IEEE adj "1394")same bridge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 14:09
S66	293	(port) near5 (rout$5) and (IEEE adj "1394")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 14:01
S62	57	(intelligent smart) near4 (portal port)and (IEEE adj "1394")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 13:57
S64	3	(bridge) near4 (portal port) and (rout$5) near4 (table data) same (bus near4 (ID identifi$7)) same (port near4 (ID identifi$7))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 13:44
S44	0	(bridge) near4 (portal port) and (updat$5 append$5 concatenat$5) same (rout$5) near4 (table data) same (bus near4 (ID identifi$7)) same (port near4 (ID identifi$7))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 13:44
S63	2	"5781715".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 13:21
S59	15	(portal) near4 (rout$5 forward$6) near5 (table data) and (IEEE adj "1394")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 10:18
S61	3	"6614796".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 10:11
S60	191	(rout$5 forward$6) near4 (table data) same (portal port) near3 (ID) and (bridge brouter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 10:11

EAST Search History

S57	485	(rout$5 forward$6) near4 (table data) same (portal port) near3 (ID)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 10:02
S53	8	(portal) near4 (rout$5 forward$6) near5 (table data) same (BUS near4 (id identification)) and (IEEE adj "1394")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 10:01
S58	9	(rout$5 forward$6) near4 (table data) same (portal port) near3 (ID) same ((bus) near4 (ID))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 09:57
S56	6	(synchroniz$5) near4 (portal) same (rout$5 forward$6) near4 (table data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 09:55
S55	44	(portal) same (rout$5 forward$6) near4 (table data) and ((local remote) near4 BUS)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 09:51
S54	7	(portal) near4 (rout$5 forward$6) same ((local remote) near4 BUS) same (table data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 09:48
S51	109	(portal) near4 (rout$5 forward$6) near5 (table data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 09:47
S52	8	(portal) near4 (rout$5 forward$6) near5 (table data) same (BUS near4 (id identification))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 09:36
S50	11	(portal) near4 (rout$5 forward$6) near5 (table data) same (bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 09:21
S49	3	(decentraliz$5 de-centraliz$5) near4 (rout$5 forward$6) near5 (table data) and (bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 09:13
S48	0	(decentraliz$5 de-centraliz$5) near4 (rout$5 forward$6) near5 (table data) same (bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 09:11

EAST Search History

S46	27	(updat$5 append$5 concatenat$5) same (rout$5 forward$5) near4 (table data) and (bus near4 (ID identifi$7)) same (port near4 (ID identifi$7))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 08:27
S45	1	(bridge) near4 (portal port) and (updat$5 append$5 concatenat$5) same (rout$5 forward$5) near4 (table data) and (bus near4 (ID identifi$7)) same (port near4 (ID identifi$7))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 16:17
S35	193	(bridge) same (updat$5 append$5 concatenat$5) same (rout$5) near4 (table data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 16:13
S42	2	"5781715".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 15:02
S41	28	(updat$5 append$5 concatenat$5) near8 (portal near4 (forward$5 rout$5)) same portal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 15:02
S38	4	(updat$5 append$5 concatenat$5) near8 (portal near4 (forward$5 rout$5) near4 (table data)) same portal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 14:51
S40	12	("5287357" | "5528507" | "5724517" | "5878232" | "5935208" | "6032261" | "6078963" | "6131119" | "6157972" | "6219697" | "6246667" | "6366964").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/25 14:30
S39	2	"4736363".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 14:28
S37	5	((bridge) adj (portal)) and(updat$5 append$5 concatenat$5) same (portal near4 rout$5) near4 (table data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 14:24
S36	1	((bridge) adj (portal)) same (updat$5 append$5 concatenat$5) same (rout$5) near4 (table data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 14:18
S34	58	(bridge/router brouter) and (forwarding near5 table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 11:07

EAST Search History

S33	0	(bridge/router brouter) same (forwarding near5 table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 11:07
S32	0	bridge/router same (updat$5 near5 forwarding near5 table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 11:07
S31	0	brouter same (updat$5 near5 forwarding near5 table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 11:07
S30	12	brouter same (routing near5 table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 11:06
S28	8	(concatenat$5) near5 (routing near5 table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 10:57
S27	0	brouter and (concatenat$5) near5 (routing near5 table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 10:57
S25	379	brouter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 10:56

Published before July 1999
Terms used **bridge draft 1995 routing table**

Found **294** of **104,373**

Sort results by: relevance
Display results: expanded form

Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 Multicast routing in internetworks and extended LANs
Stephen E. Deering
January 1995 **ACM SIGCOMM Computer Communication Review**, Volume 25 Issue 1
Publisher: ACM Press
Full text available: pdf(1.37 MB) Additional Information: full citation, abstract, index terms

Multicasting is used within local-area networks to make distributed applications more robust and more efficient. The growing need to distribute applications across multiple, interconnected networks, and the increasing availability of high-performance, high-capacity switching nodes and networks, lead us to consider providing LAN-style multicasting across an internetwork. In this paper, we propose extensions to two common internetwork routing algorithms---distance-vector routing and link-state rou ...

2 Scalable high speed IP routing lookups
Marcel Waldvogel, George Varghese, Jon Turner, Bernhard Plattner
October 1997 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '97**, Volume 27 Issue 4
Publisher: ACM Press
Full text available: pdf(1.66 MB) Additional Information: full citation, abstract, references, citings, index terms

Internet address lookup is a challenging problem because of increasing routing table sizes, increased traffic, higher speed links, and the migration to 128 bit IPv6 addresses. IP routing lookup requires computing the best matching prefix, for which standard solutions like hashing were believed to be inapplicable. The best existing solution we know of, BSD radix tries, scales badly as IP moves to 128 bit addresses. Our paper describes a new algorithm for best matching prefix using binary search o ...

3 A scalable wireless virtual LAN
Zhao Liu, Malathi Veeraraghavan, Kai Y. Eng
November 1996 **Proceedings of the 2nd annual international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available: pdf(1.25 MB) Additional Information: full citation, references, index terms

4 IP switching—ATM under IP
Peter Newman, Greg Minshall, Thomas L. Lyon
April 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 2
Publisher: IEEE Press
Full text available: pdf(154.32 KB) Additional Information: full citation, references, citings, index terms

Keywords: Internet protocol, asynchronous transfer mode, broadband communication, communication system control, data communication, packet switching, protocols

5 A scalable wireless virtual LAN
Zhao Liu, Malathi Veeraraghavan, Kai Y. Eng
September 1998 **Mobile Networks and Applications**, Volume 3 Issue 3
Publisher: Kluwer Academic Publishers
Full text available: pdf(300.90 KB) Additional Information: full citation, abstract, references, index terms

This paper presents a Wireless Virtual Local Area Network (WVLAN) to support mobility in IP-over-ATM local area networks. Mobility is handled by a joint ATM-layer handoff for connection rerouting and MAC-layer handoff for location tracking, such that the effects of mobility are localized and transparent to the higher-layer protocols. Different functions, such as Address Resolution Protocol (ARP), mobile location, and ATM connection admission are combined to reduce protocol overhead and fron ...

6 Papers: A novel approach to mobility management
Ron Hutchins, Tracy Camp, Philip H. Enslow
January 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 1
Publisher: ACM Press
Full text available: pdf(1.11 MB) Additional Information: full citation, abstract, references

In this paper, we propose a novel approach to computer mobility. Our approach allows mobility to be rapidly deployed, as the networking infrastructure required for deployment is available off the shelf. Furthermore, a mobile node does not require modifications in order to use these mobile services. While our approach provides rapid deployment and supports both IP and non-IP protocols, only a subset of mobile usage scenarios are offered. In other words, our approach does not solve all the problem ...

7 Fast and scalable handoffs for wireless internetworks
Ramón Cáceres, Venkata N. Padmanabhan
November 1996 **Proceedings of the 2nd annual international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available: pdf(1.35 MB) Additional Information: full citation, references, citings, index terms

8 Fast address lookups using controlled prefix expansion
V. Srinivasan, G. Varghese
February 1999 **ACM Transactions on Computer Systems (TOCS)**, Volume 17 Issue 1
Publisher: ACM Press
Full text available: pdf(258.60 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Internet (IP) address lookup is a major bottleneck in high-performance routers. IP

address lookup is challenging because it requires a longest matching prefix lookup. It is compounded by increasing routing table sizes, increased traffic, higher-speed links, and the migration to 128-bit IPv6 addresses. We describe how IP lookups and updates can be made faster using a set of of transformation techniques. Our main technique, controlled prefix expansion, transf ...

Keywords: Internet address lookup, binary search on levels, controlled prefix expansion, expanded tries, longest-prefix match, multibit tries, router preformance

9 Trading packet headers for packet processing
Girish P. Chandranmenon, George Varghese
April 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 2
Publisher: IEEE Press
Full text available: pdf(1.41 MB) Additional Information: full citation, references, citings, index terms, review

10 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems
Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker
December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems IS '97**, Volume 28 Issue 1
Publisher: ACM Press
Full text available: pdf(7.24 MB) Additional Information: full citation, citings

11 Fast and scalable wireless handoffs in supports of mobile Internet audio
Ramón Cáceres, Venkata N. Padmanabhan
December 1998 **Mobile Networks and Applications**, Volume 3 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: pdf(187.08 KB) Additional Information: full citation, abstract, references, citings, index terms

Future internetworks will include large numbers of portable devices moving among small wireless cells. We propose a hierarchical mobility management scheme for such networks. Our scheme exploits locality in user mobility to restrict handoff processing to the vicinity of a mobile node. It thus reduces handoff latency and the load on the internetwork. Our design is based on the Internet Protocol (IP) and is compatible with the Mobile IP standard. We also present experimental results for the I ...

12 IP lookups using multiway and multicolumn search
Butler Lampson, Venkatachary Srinivasan, George Varghese
June 1999 **IEEE/ACM Transactions on Networking (TON)**, Volume 7 Issue 3
Publisher: IEEE Press
Full text available: pdf(173.06 KB) Additional Information: full citation, references, citings, index terms, review

13 Trading packet headers for packet processing
Girish P. Chandranmenon, George Varghese

October 1995 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '95**, Volume 25 Issue 4
Publisher: ACM Press
Full text available: pdf(1.21 MB) Additional Information: full citation, abstract, references, citings, index terms

In high speed networks, packet processing is relatively expensive while bandwidth is cheap. Thus it pays to add information to packet headers to make packet processing easier. While this is an old idea, we describe several specific new mechanisms based on this principle. We describe a new technique, *source hashing*, which can provide $O(1)$ lookup costs at the Data Link, Routing, and Transport layers. Source hashing is especially powerful when combined with the old idea of a *flow I ...*

14 Parallel algorithms for personalized communication and sorting with an experimental study (extended abstract)
David R. Helman, David A. Bader, Joseph JáJá
June 1996 **Proceedings of the eighth annual ACM symposium on Parallel algorithms and architectures**
Publisher: ACM Press
Full text available: pdf(1.12 MB) Additional Information: full citation, references, citings, index terms

15 Routing on longest-matching prefixes
Willibald Doeringer, Günter Karjoth, Mehdi Nassehi
February 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 1
Publisher: IEEE Press
Full text available: pdf(1.43 MB) Additional Information: full citation, references, citings, index terms

16 Material supply simulation for off shore pipelaying construction
Demos C. Angelides
December 1998 **Proceedings of the 30th conference on Winter simulation**
Publisher: IEEE Computer Society Press
Full text available: pdf(222.42 KB) Additional Information: full citation, references, citings, index terms

17 An active service framework and its application to real-time multimedia transcoding
Elan Amir, Steven McCanne, Randy Katz
October 1998 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '98**, Volume 28 Issue 4
Publisher: ACM Press
Full text available: pdf(1.80 MB) Additional Information: full citation, abstract, references, citings, index terms

Several recent proposals for an "active networks" architecture advocate the placement of user-defined computation within the network as a key mechanism to enable a wide range of new applications and protocols, including reliable multicast transports, mechanisms to foil denial of service attacks, intra-network real-time signal transcoding, and so forth. This laudable goal, however, creates a number of very difficult research problems, and although a number of pioneering research efforts in active ...

18 Network management views using delegated agents
Germán Goldszmidt
November 1996 **Proceedings of the 1996 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: pdf(296.48 KB) Additional Information: full citation, abstract, references, citings, index terms

The lack of an appropriate external data model is one of the reasons for the dearth of effective network management applications. Many network management computations over Management Information Bases (MIBs) cannot be practically accomplished through remote interactions. This paper describes the design of an mib Computations System that supports the dynamic definition of external data models for mibs. The system consists of a View Definition Language (VDL) to specify mib external views and SNMP- ...

19 Measurement and analysis of the error characteristics of an in-building wireless network
David Eckhardt, Peter Steenkiste
August 1996 **ACM SIGCOMM Computer Communication Review , Conference proceedings on Applications, technologies, architectures, and protocols for computer communications SIGCOMM '96**, Volume 26 Issue 4
Publisher: ACM Press
Full text available: pdf(168.08 KB) Additional Information: full citation, abstract, references, citings, index terms

There is general belief that networks based on wireless technologies have much higher error rates than those based on more traditional technologies such as optical fiber, coaxial cable, or twisted pair wiring. This difference has motivated research on new protocol suites specifically for wireless networks. While the error characteristics of wired networks have been well documented, less experimental data is available for wireless LANs.In this paper we report the results of a study characterizing ...

20 Wireless data: systems, standards, service
Antonio De Simone, Sanjiv Nanda
August 1995 **Wireless Networks**, Volume 1 Issue 3
Publisher: Kluwer Academic Publishers
Full text available: pdf(1.14 MB) Additional Information: full citation, abstract, references, citings

Wireless data products and services being proposed today include exotic mixes of services and technologies: packet transport over cellular circuits, facsimile service over Cellular Digital Packet Data (CDPD), voice and video over wireless LANs, and everything in between. Data networking terms that seem to have a clear meaning—data-link, network and transport layers; circuit-mode and datagram; connection-less and connection-oriented—in fact have meaning only in context. Thus TCP, ...

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

Subscribe (Full Service) Register (Limited Service, Free) Login

PORTAL

USPTO

Search: The ACM Digital Library The Guide

+bridge +draft +1995 routing table bus port -LAN

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Published before July 1999
Terms used **bridge draft 1995 routing table bus port LAN**

Found **192** of **104,373**

Sort results by: relevance
Display results: expanded form

Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 192   Result page: **1** 2 3 4 5 6 7 8 9 10 next

Relevance scale

1 Trading packet headers for packet processing
Girish P. Chandranmenon, George Varghese
October 1995 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '95**, Volume 25 Issue 4
Publisher: ACM Press
Full text available: pdf(1.21 MB)   Additional Information: full citation, abstract, references, citings, index terms

In high speed networks, packet processing is relatively expensive while bandwidth is cheap. Thus it pays to add information to packet headers to make packet processing easier. While this is an old idea, we describe several specific new mechanisms based on this principle. We describe a new technique, *source hashing*, which can provide $O(1)$ lookup costs at the Data Link, Routing, and Transport layers. Source hashing is especially powerful when combined with the old idea of a *flow I* ...

2 The NuMesh: a modular, scalable communications substrate
Steve Ward, Karim Abdalla, Rajeev Dujari, Michael Fetterman, Frank Honoré, Ricardo Jenez, Philippe Laffont, Ken Mackenzie, Chris Metcalf, Milan Minsky, John Nguyen, John Pezaris, Gill Pratt, Russell Tessier
August 1993 **Proceedings of the 7th international conference on Supercomputing**
Publisher: ACM Press
Full text available: pdf(1.02 MB)   Additional Information: full citation, references, index terms

3 Disk-directed I/O for MIMD multiprocessors
David Kotz
February 1997 **ACM Transactions on Computer Systems (TOCS)**, Volume 15 Issue 1
Publisher: ACM Press
Full text available: pdf(559.18 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Many scientific applications that run on today's multiprocessors, such as weather forecasting and seismic analysis, are bottlenecked by their file-I/O needs. Even if the multiprocessor is configured with sufficient I/O hardware, the file system software often fails to provide the available bandwidth to the application. Although libraries and enhanced file system interfaces can make a significant improvement, we believe that

fundamental changes are needed in the file server software. We prop ...

Keywords: MIMD, collective I/O, disk-directed I/O, file caching, parallel I/O, parallel file system

4 On automated message processing in electronic commerce and work support systems: speech act theory and expressive felicity
Steven O. Kimbrough, Scott A. Moore
October 1997 **ACM Transactions on Information Systems (TOIS)**, Volume 15 Issue 4
Publisher: ACM Press
Full text available: pdf(502.20 KB) Additional Information: full citation, abstract, references, citings, index terms

Electronic messaging, whether in an office environment or for electronic commerce, is normally carried out in natural language, even when supported by information systems. For a variety of reasons, it would be useful if electronic messaging systems could have semantic access to, that is, access to the meanings and contents of, the messages they process. Given that natural language understanding is not a practicable alternative, there remain three approaches to delivering systems with semant ...

Keywords: electronic commerce, formal language for business communication, speech act theory

5 Illustrative risks to the public in the use of computer systems and related technology
Peter G. Neumann
January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1
Publisher: ACM Press
Full text available: pdf(2.54 MB) Additional Information: full citation

6 Scalable high speed IP routing lookups
Marcel Waldvogel, George Varghese, Jon Turner, Bernhard Plattner
October 1997 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '97**, Volume 27 Issue 4
Publisher: ACM Press
Full text available: pdf(1.66 MB) Additional Information: full citation, abstract, references, citings, index terms

Internet address lookup is a challenging problem because of increasing routing table sizes, increased traffic, higher speed links, and the migration to 128 bit IPv6 addresses. IP routing lookup requires computing the best matching prefix, for which standard solutions like hashing were believed to be inapplicable. The best existing solution we know of, BSD radix tries, scales badly as IP moves to 128 bit addresses. Our paper describes a new algorithm for best matching prefix using binary search o ...

7 COMA: an opportunity for building fault-tolerant scalable shared memory multiprocessors
Christine Morin, Alain Gefflaut, Michel Banâtre, Anne-Marie Kermarrec
May 1996 **ACM SIGARCH Computer Architecture News , Proceedings of the 23rd annual international symposium on Computer architecture ISCA '96**, Volume 24 Issue 2
Publisher: ACM Press

Full text available: pdf(1.30 MB) Additional Information: full citation, abstract, references, citings, index terms

Due to the increasing number of their components, Scalable Shared Memory Multiprocessors (SSMMs) have a very high probability of experiencing failures. Tolerating node failures therefore becomes very important for these architectures particularly if they must be used for long-running computations. In this paper, we show that the class of Cache Only Memory Architectures (COMA) are good candidates for building fault-tolerant SSMMs. A backward error recovery strategy can be implemented without sign ...

Keywords: Scalable Shared

8 System area network mapping
Brent N. Chun, Alan M. Mainwaring, Saul Schleimer, Daniel S. Wilkerson
June 1997 **Proceedings of the ninth annual ACM symposium on Parallel algorithms and architectures**
Publisher: ACM Press
Full text available: pdf(1.67 MB) Additional Information: full citation, references, citings, index terms

9 Coherent network interfaces for fine-grain communication
Shubhendu S. Mukherjee, Babak Falsafi, Mark D. Hill, David A. Wood
May 1996 **ACM SIGARCH Computer Architecture News , Proceedings of the 23rd annual international symposium on Computer architecture ISCA '96**, Volume 24 Issue 2
Publisher: ACM Press
Full text available: pdf(1.72 MB) Additional Information: full citation, abstract, references, citings, index terms

Historically, processor accesses to memory-mapped device registers have been marked uncachable to insure their visibility to the device. The ubiquity of snooping cache coherence, however, makes it possible for processors and devices to interact with cachable, coherent memory operations. Using coherence can improve performance by facilitating burst transfers of whole cache blocks and reducing control overheads (e.g., for polling).This paper begins an exploration of network interfaces (NIs) that u ...

10 Parallel algorithms for personalized communication and sorting with an experimental study (extended abstract)
David R. Helman, David A. Bader, Joseph JáJá
June 1996 **Proceedings of the eighth annual ACM symposium on Parallel algorithms and architectures**
Publisher: ACM Press
Full text available: pdf(1.12 MB) Additional Information: full citation, references, citings, index terms

11 Fast address lookups using controlled prefix expansion
V. Srinivasan, G. Varghese
February 1999 **ACM Transactions on Computer Systems (TOCS)**, Volume 17 Issue 1
Publisher: ACM Press
Full text available: pdf(258.60 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Internet (IP) address lookup is a major bottleneck in high-performance routers. IP address lookup is challenging because it requires a longest matching prefix lookup. It is compounded by increasing routing table sizes, increased traffic, higher-speed links, and the migration to 128-bit IPv6 addresses. We describe how IP lookups and updates can be

made faster using a set of of transformation techniques. Our main technique, controlled prefix expansion, transf ...

Keywords: Internet address lookup, binary search on levels, controlled prefix expansion, expanded tries, longest-prefix match, multibit tries, router preformance

12 Material supply simulation for off shore pipelaying construction
Demos C. Angelides
December 1998 **Proceedings of the 30th conference on Winter simulation**
Publisher: IEEE Computer Society Press
Full text available: pdf(222.42 KB) Additional Information: full citation, references, citings, index terms

13 PCS mobility management using the reverse virtual call setup algorithm
Chih-Lin I, Gregory P. Pollini, Richard D. Gitlin
February 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 1
Publisher: IEEE Press
Full text available: pdf(280.50 KB) Additional Information: full citation, references, citings, index terms

Keywords: PCS, mobility management, personal communications, reverse virtual call setup

14 Architecture, design, and implementation of a multimedia conference system
Anna A. Hać, Dongchen A. Lu
March 1997 **International Journal of Network Management**, Volume 7 Issue 2
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(517.69 KB) Additional Information: full citation, abstract, references, index terms

In this article a new multimedia conference system is designed and implemented which allows a group of users to conduct a meeting in real time. Participants can jointly view and edit relevant multimedia information, including text, graphics, and still images distributed throughout the network. © 1997 John Wiley & Sons, Ltd.

15 Flexible use of memory for replication/migration in cache-coherent DSM multiprocessors
Vijayaraghavan Soundararajan, Mark Heinrich, Ben Verghese, Kourosh Gharachorloo, Anoop Gupta, John Hennessy
April 1998 **ACM SIGARCH Computer Architecture News , Proceedings of the 25th annual international symposium on Computer architecture ISCA '98**, Volume 26 Issue 3
Publisher: IEEE Computer Society, ACM Press
Full text available: pdf(1.76 MB) Publisher Site Additional Information: full citation, abstract, references, citings, index terms

Given the limitations of bus-based multiprocessors, CC-NUMA is the scalable architecture of choice for shared-memory machines. The most important characteristic of the CC-NUMA architecture is that the latency to access data on a remote node is considerably larger than the latency to access local memory. On such machines, good data locality can reduce memory stall time and is therefore a critical factor in application performance.In this paper we study the various options available to system desi ...

16 An application level video gateway
Elan Amir, Steven McCanne, Hui Zhang
January 1995 **Proceedings of the third ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: htm(54.34 KB) Additional Information: full citation, references, citings, index terms

Keywords: conferencing protocols, digital video, efficient transcoding, image and video compression and processing, multicasting, networking and communication

17 CORBA: a platform for distributed object computing
Zhonghua Yang, Keith Duddy
April 1996 **ACM SIGOPS Operating Systems Review**, Volume 30 Issue 2
Publisher: ACM Press
Full text available: pdf(1.68 MB) Additional Information: full citation, abstract, citings, index terms

18 Multicast shared virtual worlds using VRML97
John A. Carson, Adrian F. Clark
February 1999 **Proceedings of the fourth symposium on Virtual reality modeling language**
Publisher: ACM Press
Full text available: pdf(1.34 MB) Additional Information: full citation, references, citings, index terms

Keywords: IP multicasting, MBone, Virtual Reality Modelling Language (VRML), World Wide Web, multi-user virtual reality, shared virtual worlds

19 Protocol discovery in multiprotocol networks
Russell J. Clark, Mostafa H. Ammar, Kenneth L. Calvert
December 1997 **Mobile Networks and Applications**, Volume 2 Issue 3
Publisher: Kluwer Academic Publishers
Full text available: pdf(422.51 KB) Additional Information: full citation, abstract, references, index terms

Interoperability requires that communicating systems support compatible protocols. Maintaining compatible protocols is problematic in heterogeneous networks, especially in a wireless infrastructure where hosts can move from one protocol environment to another. It is possible to improve the flexibility of a communication network's operation by deploying systems that support multiple protocols. These multiprotocol systems require support mechanisms that enable users to effectively access the ...

20 The Zebra striped network file system
John H. Hartman, John K. Ousterhout
August 1995 **ACM Transactions on Computer Systems (TOCS)**, Volume 13 Issue 3
Publisher: ACM Press
Full text available: pdf(2.76 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Zebra is a network file system that increases throughput by striping the file data across multiple servers. Rather than striping each file separately, Zebra forms all the new data from each client into a single stream, which it then stripes using an approach similar to a

log-structured file system. This provides high performance for writes of small files as well as for reads and writes of large files. Zebra also writes parity information in each stripe in the style of RAID disk arrays; this ...

Keywords: RAID, log-based striping, log-structured file system, parity computation

Results 1 - 20 of 192 Result page: **1** 2 3 4 5 6 7 8 9 10 next